

Science Chapter 1 – Study Guide

Chapter 1.1 – Pg 26

Cell, Reproduce

1. _____ To make more of one's kind, cells.
2. _____ Smallest unit of living matter.

Chapter 1.1 Cell Pg28-31

Chloroplast, Cell wall, Nucleus, Mitochondrion, Cytoplasm

3. _____ Jelly-like water that everything floats in.
4. _____ Thin covering that keeps everything together.
5. _____ Stores food, water, and waste. Plant cells have large ones.
6. _____ Still center structure that protects and supports the plant cell.
7. _____ Plant cell's food factory that has chlorophyll, green.
8. _____ Controls all cell activities; the brain.
9. Number these in order from smallest to largest –
tissue, cell, organ system, organ – (P28-30)

Chapter 1.2 – Pg 38

Habitat, Ecosystem

10. _____ The interactions of all living (biotic) and non-living (abiotic) things.
11. _____ The place an organism lives in an ecosystem, its home.

Chapter 1

12. What is the graph on page 53 an example of? If _____ synthesize.
13. Look at this graph and decide, where does ALL energy come from? (P53) _____
14. What 3 things are taken in by the plant? (P53) _____
15. What is given off by the plant? (P53) _____
16. What is made by the plant's chloroplasts using sun, water, and nutrients? (P53)
17. On page 54, put these in order, decomposers, consumers, producers.
18. On page 57 food chain, what is at the beginning of the food chain?
19. On page 59 food web, name one animal that is consumed by more than one consumer?
20. What happens if too many deer are competing for the same food?
21. On the back, draw and label the parts of a plant cell.(Page 30-31)
22. On page 60-67, do 1-7 in the right margin.
23. Writing Answer - On page 65, answer questions 9-14 on back.

Predator, Prey

12. _____ An animal that is hunted by other animals.
13. _____ An animal that hunts other animals.

Chapter 1.3 – Pg 58

Producers, consumers, decomposers

14. _____ Organisms that break down dead and decaying matter.
15. _____ An organism that gets energy by eating other living things.
16. _____ Organisms that make their own food, plants.

Herbivores, omnivores, carnivores

17. _____ An animal that only eats animals.
18. _____ Animals that only eat producers, or plants.
19. _____ An animal that eats producers (plants) and consumers (animals).

Food chain, energy pyramid, food web

20. _____ Path of energy in multiple food chains, like a web.
21. _____ Path of energy from one organism to another in the form of food, in a straight line.
22. _____ A model showing the amount of energy at each level of the food chain.

Macmillan Science 4th Grade Answer Guide Teacher

Arturo Cuomo



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